

Product data sheet

Specifications



Selector switch, Harmony XB4, metal, black 22mm, long handle, 2 positions, stay put, 1NO

XB4BJ21

Main

| | |
|-------------------------------|--|
| Range of product | Harmony XB4 |
| Product or component type | Selector switch |
| Device short name | XB4 |
| Bezel material | Chromium plated metal |
| Fixing collar material | Zamak |
| Mounting diameter | 22.5 mm |
| Sale per indivisible quantity | 1 |
| Head type | Standard |
| Shape of signaling unit head | Round |
| Type of operator | stay put |
| Operator profile | Black long handle |
| Operator position information | 2 positions 90° |
| Contacts type and composition | 1 NO |
| Contact operation | Slow-break |
| Connections - terminals | Screw clamp terminals, <= 2 x 1.5 mm ² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm ² without cable end conforming to IEC 60947-1 |

Complementary

| | |
|------------------------------------|---|
| Height | 48 mm |
| Width | 30 mm |
| Depth | 68 mm |
| Terminals description ISO n°1 | (13-14)NO |
| Product weight | 0.096 kg |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m |
| Contacts usage | Standard contacts |
| Positive opening | Without |
| Torque value | 0.14 N.m NO changing electrical state |
| Mechanical durability | 1000000 cycles |
| Tightening torque | 0.8...1.2 N.m conforming to IEC 60947-1 |

| | |
|---|---|
| Shape of screw head | Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver |
| Contacts material | Silver alloy (Ag/Ni) |
| Short-circuit protection | 10 A cartridge fuse type gG conforming to IEC 60947-5-1 |
| [I_{th}] conventional free air thermal current | 10 A conforming to IEC 60947-5-1 |
| [U_i] rated insulation voltage | 600 V (pollution degree 3) conforming to IEC 60947-1 |
| [U_{imp}] rated impulse withstand voltage | 6 kV conforming to IEC 60947-1 |
| [I_e] rated operational current | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1 |
| Electrical durability | 1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C |
| Electrical reliability | $\Lambda < 10^{\exp(-6)}$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4 $\Lambda < 10^{\exp(-8)}$ at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4 |
| Device presentation | Complete product |

Environment

| | |
|--|--|
| Protective treatment | TH |
| Ambient air temperature for storage | -40...70 °C |
| Ambient air temperature for operation | -40...70 °C |
| Overvoltage category | Class I conforming to IEC 60536 |
| IP degree of protection | IP69 IP69K IP67 conforming to IEC 60529 |
| NEMA degree of protection | NEMA 13 NEMA 4X |
| Standards | IEC 60947-5-5 CSA C22.2 No 14 UL 508 IEC 60947-5-4 IEC 60947-5-1 IEC 60947-1 JIS C8201-5-1 JIS C8201-1 |
| Product certifications | BV UL CSA DNV LRROS (Lloyds register of shipping) |
| Vibration resistance | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

Packing Units

| | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.200 cm |
| Package 1 Width | 3.400 cm |
| Package 1 Length | 9.000 cm |
| Package 1 Weight | 95.000 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 100 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 10.010 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 800 |
| Package 3 Height | 75.000 cm |
| Package 3 Width | 60.000 cm |
| Package 3 Length | 80.000 cm |
| Package 3 Weight | 90.204 kg |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Total lifecycle Carbon footprint 1

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard No

Packaging without single use plastic No

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation [REACH Declaration](#)

California proposition 65 WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](#)

Use Again

Repack and remanufacture

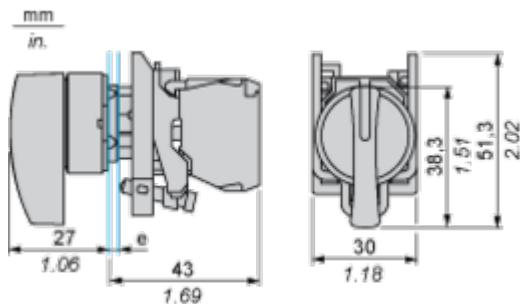
End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Dimensions



e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

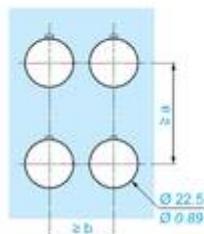
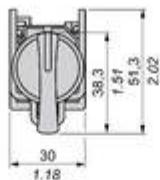
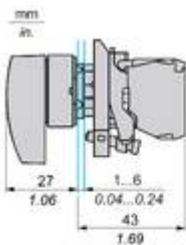
Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

| Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board | Connection by Faston Connectors |
|--|---|
|  <p>(1) Diameter on finished panel or support (2) 40 mm min. / 1.57 in. min. (3) 30 mm min. / 1.18 in. min. (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $^{+0.4}$ / 0.88 in. $^{+0.016}$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.</p> |  <p>(1) Diameter on finished panel or support (2) 40 mm min. / 1.57 in. min. (3) 30 mm min. / 1.18 in. min. (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $^{+0.4}$ / 0.88 in. $^{+0.016}$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.</p> |

Technical Illustration

Dimensions



| | a (mm) | a (in.) | b (mm) | b (in.) |
|---------------------|--------|---------|--------|---------|
| ZBE***** ZBV***** | 40 | 1.57 | 30 | 1.18 |
| ZBE*****3 ZBV*****3 | 45 | 1.77 | 32 | 1.26 |
| ZBE*****4 ZBV*****4 | 40 | 1.57 | 30 | 1.18 |
| ZBE*****5 ZBV*****5 | 50 | 1.97 | 30 | 1.18 |
| ZBE*****9 ZBV*****9 | 40 | 1.57 | 30 | 1.18 |
| ZBRT* ZBRV1 | 40 | 1.57 | 30 | 1.18 |

Image of product / Alternate images

Alternative





